THE MARINER'S MIRROR

LTN HMLTN
VK 1 .M338
Mariner's mirror
338 v 84 table conts 12/31/19
Received: 12-15-98
UNIVERSITY OF HAWAII
AT MANOA -- LIBRARY

THE MARINER'S MIRROR

THE JOURNAL OF
THE SOCIETY FOR NAUTICAL RESEARCH

VOLUME 84
1998

GREENWICH
1998

3 158HI XL 3184
4/00 31249-200 NJLB

© 1998 The Society for Nautical Research

The Society claims world copyright for all materials whether textual or illustrative appearing in *The Mariner's Mirror* with the sole exception of material specifically attributed to another copyright holder. No material may be reproduced without the prior written consent of the Hon. Editor.

ISSN 0025-3359

Page make-up by
Eden Valley Press, Kirkby Stephen, Cumbria

Printed in Great Britain at
The Alden Press, Oxford

CONTENTS

1998

PAGE

OBITUARIES

Geoffrey Chapman Ingleton *By Andrew David* 259
Derek Howse *By Alan McGowan* 387

ARTICLES

THE WATER SUPPLY OF THE *ARGO* AND OTHER OARED SHIPS *By André Wegener Sleeswyk and Fik Meijer* 131
THE IDENTIFICATION OF FIFTEENTH-CENTURY SHIP TYPES IN SCOTTISH LEGAL RECORDS *By A.D.M. Forte* 3
THE EFFECTIVENESS OF FIFTEENTH-CENTURY SHIPBOARD ARTILLERY *By Kelly DeVries* 389
THE RISE OF THE ENGLISH SAILCLOTH INDUSTRY 1565-1643: COASTAL TRADE RECORDS AS AN INDICATOR OF IMPORT SUBSTITUTION *By Martha Morris* 129
BRISTOL SHIPPING AND ROYALIST NAVAL POWER DURING THE ENGLISH CIVIL WAR *By John Lynch* 260
HIRED MEN-OF-WAR, 1664-67 (Part One) *By Frank L. Fox* 13
HIRED MEN-OF-WAR, 1664-67 (Part Two) *By Frank L. Fox* 152
SEVENTEENTH-CENTURY SHIPS' TIMBERS AND DOCK ON THE THAMES WATERFRONT AT BELLAMY'S WHARF, ROTHERHITHE, LONDON SE16 *By David Saxby and Damien Goodburn* 173
THE INFLUENCE OF IRON ON SHIP CONSTRUCTION, 1660-1830 *By Peter Goodwin* 26
BRITAIN'S BOARD OF LONGITUDE: THE FINANCES, 1714-1828 *By Derek Howse* 400
ARMED PEACE IN THE MEDITERRANEAN, 1736-39: A COMPARATIVE SURVEY OF THE NAVIES *By Daniel Panzac* 41
THE EARL OF EGMONT AND THE NAVY 1763-1766 *By Clive Wilkinson* 418
THE ELPHINSTONES IN CATHERINE THE GREAT'S NAVY *By Anthony Cross* 268
SIR GEORGE RODNEY AND ST. EUSTATIUS IN THE AMERICAN WAR: A COMMERCIAL AND NAVAL DISTRACTION, 1775-1781 *By Kenneth Breen* 193
BRITISH NAVAL INTELLIGENCE AND BONAPARTE'S EGYPTIAN EXPEDITION OF 1798 *By Michael Duffy* 278
AN AID TO NELSON'S VICTORY? A REDISCOVERED DESCRIPTION OF THE HARBOUR OF ABOUKIR, 1798 *By Tom Malcomson* 291
THE FORM AND SPEED OF SAILING WARSHIPS *By David K. Brown* 298
THE SAILING RIG OF THE SS *GREAT BRITAIN* *By Peter Allington* 444
ROLFE KRAKE: EUROPE'S FIRST TURRETED IRONCLAD *By Arnold A. Putnam* 56
BRITANNIA AT PORTSMOUTH AND PORTLAND *By Harry Dickinson* 434
'OUR NAVAL PLUTARCH': SIR JOHN KNOX LAUGHTON AND *THE DICTIONARY OF NATIONAL BIOGRAPHY* *By Andrew Lambert* 308
A BREAKDOWN IN COMMUNICATION: BRITAIN'S OVER-ESTIMATION OF ASDIC'S CAPABILITIES IN THE 1930s *By G.D. Franklin* 204
GROUP WOTAN AND THE BATTLE FOR CONVOY SC 104, 11-17 OCTOBER 1942 *By Robert C. Fisher* 64
SEYCHELLES SCHOONERS - A RETROSPECT *By P.A.B. Thomson* 316
TECHNICAL CHANGE AND THE SHIP DRAUGHTSMAN *By Colin Tipping* 458

NOTES

Roman naval ranks *By Dana S. Adler* 76
The etymology of Middle English *oreven* 'oar blank' *By William Sayers* 322
John Malyn and the projected assault on 'New Haven' in Queen Mary's War: a case of mistaken port identity *By C.S. Knighton* 78
A note on sixteenth-century shot nomenclature *By D.M. McElvogue* 325
Sir Francis Drake discovered Cape Horn *By Raymond Aker* 81
English Master Shipwrights to the Danish Crown, 1570-1680 *By Martin Bellamy* 215
The papers of Edward Montagu, 1st Earl of Sandwich (1625-72) *By Clive Powell* 470
The date of the battle of Flamborough Head *By Peter Ansoff* 327
Fleet repairs and maintenance 1783-93 reconsidered: naval estimates and the Progress Books *By Barrington Rosier* 328
The short and active life of a brig-sloop at war: HMS *Wolverine* 1798-1804 *By R.J.H. Griffiths* 218
PS *Defiance*: the first steamship in Holland *By Charles Dawson* 84
Which PS *James Watt*? *By Charles Dawson* 333
Small ships of Empire: three nineteenth-century *Wolverines* By *R.J.H. Griffiths* 337
The loss of the Nepaul *By John C. Welch* 471
Battle Cruiser *By G. Chowdharay-Best* 223
Green ink for the First Sea Lord *By Lawrence Phillips* 224
Equal speed manoeuvres *By Ivor Howcroft* 473
The Nelson bi-centenary at Teneriffe. Spanish celebration and British commemoration *By R.E.G. Harris* 88
Seventh Franco-British naval history conference *By Richard Hill* 339
The Royal Naval Museum and Admiralty Library's new Reading Room and Library Facilities in Portsmouth *By Allison Wareham* 476

QUERIES

1. Location of Brown Harbour *From Norman H.G. Hurst* 92
1. The manoeuvrability of warships in the Napoleonic period *From J.P. Leigh* 92
3. Capstan-driven chain pumps *From David Lowis* 92
4. William Le Queux *From H.J.K. Jenkins* 93
1. Marine diesels and tankers *From S.T. Waite* 93
2. Olympia memorial *From Goerge Baer* 93
7. Ships' names on sterns *From Lawrence Phillips* 224
8. Privateering and 1854 *From H.J.K. Jenkins* 224
9. HMS *Pheasant From K.D. McBride* 224
11. Sir Andrew Barton's 'beams' *From K.D. McBride* 341
12. 'Hacking' into the Admiralty telegraph *From J.M. Rolfe* 341
13. HMS *Captain* memorial at Hoxne, Norfolk *From Norman Boyd* 341
14. Sailor wool pictures *From Norman Boyd* 341
1. Reverse-clinker planking *From Sean McGrail* 341
2. Wolf Rock *From M.K. Barritt* 342
17. The size limit on wooden ships *From Jan Paczis* 478
18. A flag of truce during divine service? *From John Allan* 478
19. Leather pumps in English warships *From Daniel G. Harris* 478
20. Clay pipes for naval seamen *From Phillip Woollard* 479
21. Demarcation disputes in ship construction *From Charles Dawson* 479
22. Nicknames of Royal Dockyards *From Colin Jones* 479

ANSWERS

14. (1990) The author of *The Shipbuilder's Repository* *By John E. Roberts* 225
20. (1992) The flags of Papenburg *By John Allan* 479
13. (1996) Method for weighing two anchors in a battleship c. 1800 *By D. Andrews* 225
Malcolm D. Lewis 479
16. (1996) Why tumblehome? *By Richard Barker* 95
18. (1997) Water purification at sea *By Richard Barker* 94
Randolph Cock 94
Ann Savours 343
19. (1997) Wilkinson's first iron boat *By Charles Dawson* 227

SOCIETY RECORDS

Chairman's Annual Report and Secretary's Report of the AGM, 6 June 1998 343

CORRESPONDENCE

Second dog watch: last dog watch *From Frank Evans* 97
Captain S.T. Waite 97
Attack on maritime trade *From Nicholas Tracy* 98
Adrian Caruana's *History of the English Sea Ordnance* *From David Lyon* 98
Richard Endsor 99
C.J.N. Trollope 99
Ruth Brown 100
The Hon. Editor 102
Victory replica *From Malcolm D. Lewis* 227
Captain William Wager *From Charles Dawson* 350
The influence of iron in ship construction *From David K. Brown* 350
Admiral de Brueys memorial fund *From Adrian Head* 351
Royal Navy Reading List *From Peter Hore* 351
The calorific value of beer *From Robert Morgan* 480
Imperial *v* metric measurement *From John Edwards* 481
Diving depths *From David Brown* 481
Green ink for the First Sea Lord *From Peter Mountfield* 482
Battlecruiser *From Brian Wainwright* 482
The aesthetics of ship design *From David Brown* 482

REVIEWS 102-24, 227-52, 352-77, 483-505
Books listed 1-2, 129-30, 257-8, 385-6

SHORT NOTICES 124-5, 252-4, 377-9, 505-7